Rabbit anti-Human, Mouse GAD1/2 Polyclonal Antibody | anti-GAD1/2 antibody

GAD1/2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302300	**Rabbit**	**Human, Mouse**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

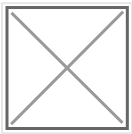
GAD1/2; Polyclonal Antibody; GAD1/2 Antibody; Glutamate decarboxylase 2; EC 4.1.1.15; Glutamate decarboxylase 65 kDa isoform; GAD-65; 65 kDa glutamic acid decarboxylase; anti-GAD1/2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total GAD1/GAD2 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	192
Applicable Applications for anti-GAD1/2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GAD1/GAD2.
Target Name	GAD1/2
Preparation and Storage	Store at -20 degree C

IMAGES

IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using GAD1/2 antibody.



WB (Western Blot)
Western blot analysis of extracts from mouse brain cells, using GAD1/2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GAD1/2 antibody	This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantigen and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Deficiency in this enzyme has been shown to lead to pyridoxine dependency with seizures. Alternative splicing of this gene results in two products, the predominant 67-kD form and a less-frequent 25-kD form.JB Travers, Chem Senses, Feb 2007; 32: 129 - 137.Rita Sulahian, Nucleic Acids Res., Mar 2006; 34: 1351 - 1357.Andrea Pillai, Development, Jan 2007; 134: 357 - 366.Dmytro P. Yevtushenko, J. Exp. Bot., Aug 2003; 54: 2001 - 2002.
Product Categories/Family for anti-GAD1/2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	121943966
UniProt Accession #	Q4G154
Molecular Weight	21,147 Da
NCBI Official Full Name	GAD2 protein
UniProt Protein Name	GAD2 protein
UniProt Gene Name	**GAD2**
UniProt Entry Name	Q4G154_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/gad1-2-antibody-immunohistochemistry-western-blot-elisa/302300